



MONICA A-1912080@nec

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## 🏆 LeaderBoard & Prev Day Solution

DAILY CHALLENGE

ProgramID- 6604



SKILLRACK

### Calculator With Shift

An expression consisting of two integers **X** and **Y** (as operands) and a character **ch** (as operator) is passed as input. Another integer **shift** is also passed as input to the program based on which the operations are shifted. If the shift value is 1 then the operations are shifted as per the conditions given below.

#### Conditions:

- + must be considered as -
- must be considered as +
- \* must be considered as /
- / must be considered as \*

If the shift value is 0 then the given expression is evaluated without any modification. The program must evaluate the expression as per the conditions and print the result as the output.

#### Note:

Decimal place values are not considered when dividing.  
The allowed operators are +, -, \* and /.

#### Boundary Condition(s):

-10000 <= X, Y <= 10000  
shift value is either 0 or 1.

#### Input Format:

The first line contains the value of X, ch and Y without any space.

The second line contains the value of shift.

### Output Format:

The first line contains the result of the expression.

### Example Input/Output 1:

Input:

2+4

0

Output:

6

### Example Input/Output 2:

Input:

7\*2

1

Output:

3

**Max Execution Time Limit: 2000 millisecs**



Ambiance



C ( gcc 8.x)



Reset

```
1 #include<stdio.h>
2 #include<stdlib.h>
3
4 int main()
5 {
6     int a,b;
7     char s;
8     scanf("%d %c %d",&a,&s,&b);
9     int x;
10    scanf("%d",&x);
11    if(x==0){
12        if(s=='+'){
13            printf("%d",a+b);
14        }
15        else if(s=='-'){
16            printf("%d",a-b);
17        }
18        else if(s=='*'){
19            printf("%d",a*b);
20        }
21        else{
```

```
22         printf("%d", a/b);
23     }
24 }
25 else{
26     if(s=='+'){
27         printf("%d", a-b);
28     }
29     else if(s=='-'){
30         printf("%d", a+b);
31     }
32     else if(s=='*'){
33         printf("%d", a/b);
34     }
35     else{
36         printf("%d", a*b);
37     }
38 }
39 }
```

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Save

Run

☐

Run with a custom test case (Input/Output)